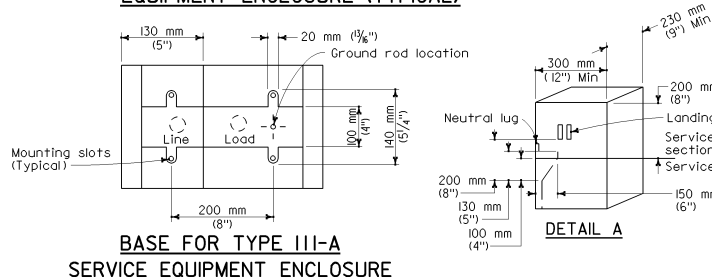
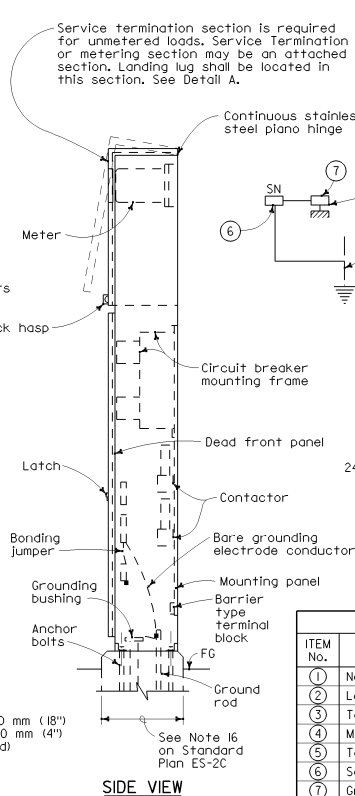


FRONT VIEW

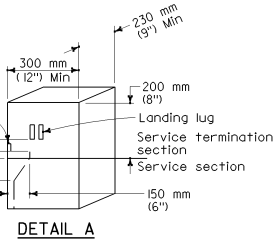
TYPE III-AF SERVICE EQUIPMENT ENCLOSURE (TYPICAL)



BASE FOR TYPE III-A
SERVICE EQUIPMENT ENCLOSURE



SIDE VIEW

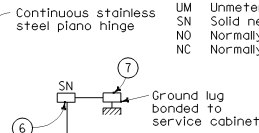


DETAIL A

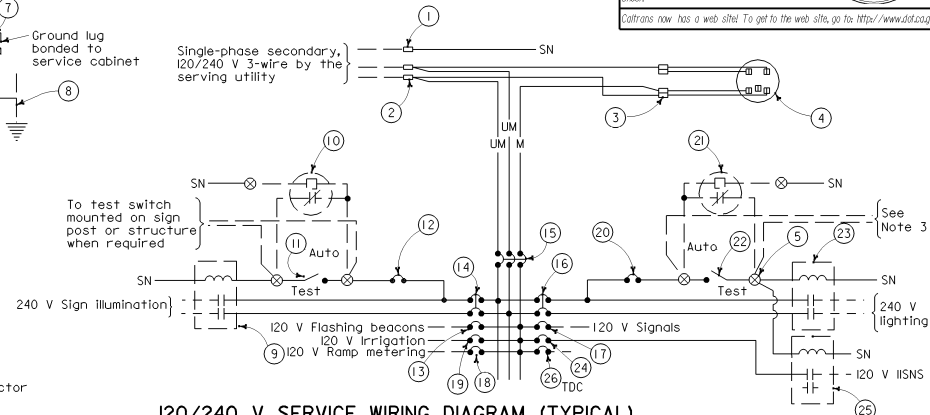
P Pole
CB Circuit breaker
A Ampere
V Volt
M Metered
UM Unmetered
SN Solid neutral
NO Normally open
NC Normally closed

LEGEND

— External conductor
— Conductor or bus
• Tie point
— Contactor coil
— Contactor, Contact NO
— Terminal blocks
— Contactor, Contact NC
— Enclosure bond
— Ground



Single-phase secondary,
120/240 V 3-wire by the
serving utility



120/240 V SERVICE WIRING DIAGRAM (TYPICAL)

TYPE III-A SERVICE (120/240 V) EQUIPMENT LEGEND

ITEM No.	COMPONENT	NAME PLATE DESCRIPTION	ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
(1)	Neutral lug		(14)	30 A, 240 V, 2P, CB	Sign Illumination
(2)	Landing lug		(15)	100 A, 240 V, 3P, CB	Main Breaker
(3)	Test bypass facility		(16)	30 A, 240 V, 2P, CB	Lighting
(4)	Meter socket and support		(17)	50 A, 120 V, 1P, CB	Signals
(5)	Terminal blocks		(18)	30 A, 120 V, 1P, CB	Ramo Metering
(6)	Solid neutral terminal strip		(19)	20 A, 120 V, 1P, CB	Irrigation
(7)	Ground lug		(20)	15 A, 120 V, 1P, CB	Lighting Control
(8)	Ground rod		(21)	Photoelectric unit	
(9)	30 A, 1P, Test switch	Sign Illumination	(22)	15 A, 1P, Test switch	Light Test Switch
(10)	Photoelectric unit		(23)	60 A, 2PNO Contactor	Lighting
(11)	15 A, 1P, Test switch	Sign Illumination Test Switch	(24)	15 A, 120 V, 1P, CB	IISNS
(12)	15 A, 120 V, 1P, CB	Sign Illumination Control	(25)	30 A, 2PNO Contactor	
(13)	15 A, 120 V, 1P, CB	Flashing Beacon	(26)	20 A, 120 V, 1P, CB	Telephone Demarcation Cabinet

NOTES (FOR SERVICE EQUIPMENT)

- Voltage ratings of service equipment shall conform to the service voltages indicated on the plans.
- Unless otherwise indicated on the plans, all service equipment items shall be provided for each service equipment enclosure as shown.
- Connect to remote test switch mounted on lighting standards, sign post or structure when required.
- Item No. (1) and (6) shall be insulated from the cabinet.
- Meter sockets shall be 5 clip type.

SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS SERVICE EQUIPMENT AND TYPICAL WIRING DIAGRAM, TYPE III-A SERIES

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-2D

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
Theresa Gabriel REGISTERED PROFESSIONAL ENGINEER No. E15129 State of California July 1, 2002 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. Caltrans now has a web site! To go to the web site, go to http://www.dot.ca.gov					